**CIVIL QUALITY CONSULTANTS & ENGINEERS**
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

**Name of Work :: Comprehensive development works in ward no.13, Mallasandra, BBMP, Bangalore**

| | | |
|---|---|---|
| Name of Client | : | **Executive Engineer,** T.Dasarahalli Division, BBMP, Bangalore. |
| Contractor/Agency | : | **: Sri. R Shivaram,** Contractor, Bangalore. |
| Total Cost | : | Rs. 89.89 Lakhs |
| Date of Inspection | : | 24.04.2022 |
| Work Order Number | : | EE/DD/WO/188/2020-21 |
| Status of Bill | : | 1st and Final Bill |
| In the Presence of | : | (a) **Assistant Engineer (W.No.13),** BBMP, Bangalore. |
| | : | (b) **Mr. Mohan G,** Engineer M/S Civil Quality Consultants and Engineers, Bangalore |

| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 1 | Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and | : | Work done up to the billed quantity and Quality is satisfactory |
| 2 | KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size | : | Work done up to the billed quantity and Quality is satisfactory |
| 3 | Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in | : | Work done up to the billed quantity and Quality is satisfactory |
| 4 | Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm neely | : | Work done up to the billed quantity and Quality is satisfactory |
| 5 | Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth | : | Work done up to the billed quantity and Quality is satisfactory |

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| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 6 | KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm | : | Work done up to the billed quantity and Quality is satisfactory |
| 7 | KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and | : | Work done up to the billed quantity and Quality is satisfactory |
| 8 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, | : | Work done up to the billed quantity and Quality is satisfactory |
| 9 | Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and | : | Work done up to the billed quantity and Quality is satisfactory |
| 10 | Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam | : | Work done up to the billed quantity and Quality is satisfactory |
| 11 | Providing and removing centering shuttering strutting propping etc., for chejjas, corbels etc., including edges including cost of all materials, | : | Work done up to the billed quantity and Quality is satisfactory |
| 12 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, | : | Work done up to the billed quantity and Quality is satisfactory |
| 13 | KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding | : | Work done up to the billed quantity and Quality is satisfactory |
| 14 | Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum | : | Work done up to the billed quantity and Quality is satisfactory |
| 15 | Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever | : | Work done up to the billed quantity and Quality is satisfactory |
| 16 | Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off | : | Work done up to the billed quantity and Quality is satisfactory |
| 17 | Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever | : | Work done up to the billed quantity and Quality is satisfactory |

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| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 18 | Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the | : | Work done up to the billed quantity and Quality is satisfactory |
| 19 | KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give | : | Work done up to the billed quantity and Quality is satisfactory |
| 20 | Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even | : | Work done up to the billed quantity and Quality is satisfactory |
| 21 | Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames wrought, framed of assembled | : | Work done up to the billed quantity and Quality is satisfactory |
| 22 | Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails | : | Work done up to the billed quantity and Quality is satisfactory |
| 23 | Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or | : | Work done up to the billed quantity and Quality is satisfactory |
| 24 | KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after | : | Work done up to the billed quantity and Quality is satisfactory |
| 25 | KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing | : | Work done up to the billed quantity and Quality is satisfactory |
| 26 | Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & | : | Work done up to the billed quantity and Quality is satisfactory |
| 27 | Providing and fixing colour glazed tiles of size 300mmx600mm for walls with borders of size 300x100mm, set in Cement Mortar 1:3 and | : | Work done up to the billed quantity and Quality is satisfactory |
| 28 | Providing and fixing for flooring 40mm thick sadarhaili grey flammed granite slab for bath areas in Bathrooms over a bed of 25mm thick | : | Work done up to the billed quantity and Quality is satisfactory |
| 29 | Providing and fixing PVC Hollow Door Frame of the size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC | : | Work done up to the billed quantity and Quality is satisfactory |

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| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 30 | "SOLID PANEL PRELAM PVC DOOR SHUTTER" Providing and fixing 30MM thick factory made rigid foam with both side Prelam | : | Work done up to the billed quantity and Quality is satisfactory |
| 31 | Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt | : | Work done up to the billed quantity and Quality is satisfactory |
| 32 | Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint | : | Work done up to the billed quantity and Quality is satisfactory |
| 33 | Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, | : | Work done up to the billed quantity and Quality is satisfactory |
| 34 | Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to | : | Work done up to the billed quantity and Quality is satisfactory |
| 35 | Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square | : | Work done up to the billed quantity and Quality is satisfactory |
| 36 | KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type ( Pedestal type, P-trap ) with black solid plastic | : | Work done up to the billed quantity and Quality is satisfactory |
| 37 | Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I. | : | Work done up to the billed quantity and Quality is satisfactory |
| 38 | Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M- | : | Work done up to the billed quantity and Quality is satisfactory |
| 39 | Circular shape mirror of size 450 mm with plastic moulded frame (Page:XXV, SL No:636 PWD SR 2018-19) | : | Work done up to the billed quantity and Quality is satisfactory |
| 40 | Electrical Work Charges | : | Work done up to the billed quantity and Quality is satisfactory |
| 41 | KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated | : | Work done up to the billed quantity and Quality is satisfactory |

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| Sl.No | Description of the Item | | Comments / observations |
|---|---|---|---|
| 42 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size | : | Work done up to the billed quantity and Quality is satisfactory |
| 43 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm | : | Work done up to the billed quantity and Quality is satisfactory |
| 44 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, | : | Work done up to the billed quantity and Quality is satisfactory |
| 45 | Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and | : | Work done up to the billed quantity and Quality is satisfactory |
| 46 | Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix | : | Work done up to the billed quantity and Quality is satisfactory |
| 47 | KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not | : | Work done up to the billed quantity and Quality is satisfactory |
| 48 | KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without | : | Work done up to the billed quantity and Quality is satisfactory |
| 49 | KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller | : | Work done up to the billed quantity and Quality is satisfactory |
| 50 | KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam | : | Work done up to the billed quantity and Quality is satisfactory |
| 51 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub | : | Work done up to the billed quantity and Quality is satisfactory |
| 52 | KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including | : | Work done up to the billed quantity and Quality is satisfactory |
| 53 | KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with | : | Work done up to the billed quantity and Quality is satisfactory |

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|---|---|---|---|
| 54 | KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or | : | Work done up to the billed quantity and Quality is satisfactory |
| 55 | KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg | : | Work done up to the billed quantity and Quality is satisfactory |
| 56 | KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified | : | Work done up to the billed quantity and Quality is satisfactory |
| 57 | Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal | : | Work done up to the billed quantity and Quality is satisfactory |
| 58 | KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing | : | Work done up to the billed quantity and Quality is satisfactory |
| 59 | KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road (P.No.136 & | : | Work done up to the billed quantity and Quality is satisfactory |
| 60 | KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded | : | Work done up to the billed quantity and Quality is satisfactory |
| 61 | KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using | : | Work done up to the billed quantity and Quality is satisfactory |
| 62 | Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square | : | Work done up to the billed quantity and Quality is satisfactory |
| 63 | KSRB 14.3 : Providing and laying flooring and steps machine cut granite slabs 40mm thick on cement mortar bed 1:6, 25 mm thick, and | : | Work done up to the billed quantity and Quality is satisfactory |
| 64 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold | : | Work done up to the billed quantity and Quality is satisfactory |
| 65 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold | : | Work done up to the billed quantity and Quality is satisfactory |

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|---|---|---|---|
| 66 | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold | : | Work done up to the billed quantity and Quality is satisfactory |
| 67 | Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and | : | Work done up to the billed quantity and Quality is satisfactory |
| 68 | KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all | : | Work done up to the billed quantity and Quality is satisfactory |
| 69 | KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, | : | Work done up to the billed quantity and Quality is satisfactory |
| 70 | Supply & delivery at site brand new make suitable HP deep well submercible pumpset suitable for vertical installation in 100 dia | : | Work done up to the billed quantity and Quality is satisfactory |

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